Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/11/2018 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126208	0	1.73	126238	1.72
Blue	F	SSC	125000	124237	-1	1.67	124874	1.60
Blue	E	FITC	15760	15506	-2	2.87	335	22.33
Blue	D	PE	25880	25528	-2	1.91	554	16.89
Blue	B	PerCP-Cy5-5	34075	34222	0	4.12	1039	22.81
Blue	A	PE-Cy7	22776	22879	0	7.22	551	45.27
Red	C	APC	42488	41522	-3	2.65	1568	13.22
Red	A	APC-Cy7	24478	24041	-2	2.77	825	13.21
Violet	B	V450	6304	6138	-3	4.20	340	17.71
Violet	A	V500	26005	24898	-5	3.78	581	13.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21032	7.82	608	11	N/A	N/A	Pass
Blue	F	SSC	56412	1.12	572	17	N/A	N/A	Pass
Blue	E	FITC	58	74.13	561	5	0.0159	196	Pass
Blue	D	PE	116	57.16	555	6	0.1227	276	Pass
Blue	B	PerCP-Cy5-5	199	55.34	655	8	0.0073	74	Pass
Blue	A	PE-Cy7	106	113.15	708	11	0.0091	27	Pass
Red	C	APC	372	28.33	600	0	0.0206	186	Pass
Red	A	APC-Cy7	202	28.61	572	1	0.0044	703	Pass
Violet	B	V450	54	81.80	494	5	0.0285	2475	Pass
Violet	A	V500	86	46.73	510	4	0.0132	1171	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.18	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.26	13.60 - 20.40	N/A	N/A	30.90	31.56	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11400

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments